

**RECEIVED
CENTRAL FAX CENTER**

001/067

APR 20 2006

PTO/SB/21 (09-04)

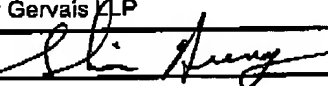
Approved for use through 07/31/2008. OMB 0651-0031

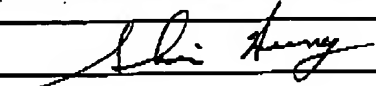
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/522,654
	Filing Date	January 24, 2005
	First Named Inventor	Javad KHAJEHPUR
	Art Unit	2154
	Examiner Name	
	Attorney Docket Number	PAT 3281W-2
Total Number of Pages in This Submission		67

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Form PTO 1449 - References (11)
Remarks Attention: MAIL STOP AMENDMENT Fax No.: 571-273-8300		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Borden Ladner Gervais LLP		
Signature			
Printed name	Shin Hung		
Date	April 20, 2006	Reg. No.	55,497

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Shin Hung	Date	April 20, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

APR 20 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: KHAJEHPOUR, Javad
Serial No.: 10/522,654
Filed: July 24, 2003
Title: MULTI-STANDARD AMPLIFIER
Group: 2154
Examiner:
Attorney Ref.: PAT 3281W-2 US

April 20, 2006

Commissioner for Patents
United States Patent and Trademark Office
Customer Service Window
Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, Virginia
22314
U.S.A.

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, the applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449, attached hereto.

II. COPIES

(check at least one box)

- ☒ a. No U.S. patent or published application copies are enclosed.
Where applicable, submitted herewith is a legible copy of (i) each Foreign patent or application; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ b. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search

United States Patent Application Serial No. 10/522,654
Page 1 of 4
PAT 3281W-2

Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- ☒ a. DOCUMENTS IN THE ENGLISH LANGUAGE
The attached patents, publications, or other information in the English language do not require a statement of relevancy.
- ☐ b. DOCUMENTS NOT IN THE ENGLISH LANGUAGE
A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:
- ☐ c. ENGLISH LANGUAGE SEARCH REPORT
An English language version of the search report or action that indicates the degree of relevance found by the foreign Patent Office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A) (3).
- ☐ d. OTHER
The following additional information is provided for the Examiner's consideration.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97 (b):

(check one box)

- ☐ a. Within three months of the filing date of a national application (37 C.F.R. § 1.97 (b) (1)). No fee or statement is required. (This section is not to be used with RCE's AND CPA's.)
- ☐ b. Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97 (b) (2)). No fee or statement is required.
- ☐ c. Concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53 (d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97 (b) (4)). No fee or statement is required.
- ☒ d. Before the mailing date of a first Action on the merits (37 C.F.R. § 1.97 (b) (3)). No fee or statement is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under

United States Patent Application Serial No. 10/522,654
Page 2 of 4
PAT 3281W-2

37 C.F.R. § 1.97 (e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17 (p).

- ☐ e. Before the mailing date of a first Action on the merits (37 C.F.R. § 1.97 (b) (4)). No fee or statement is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97 (e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17 (p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97 (c):
(check one box)

- ☐ a. No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17 (p).
- ☐ b. See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97 (e)
(check only one box)

The undersigned hereby states that

- ☐ a. Each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS;
- ☐ b. No item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the IDS.
- ☐ c. Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart from a

United States Patent Application Serial No. 10/522,654
Page 3 of 4
PAT 3281W-2

foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in the 37 C.F.R. § 1.56 (c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES

(check one box)

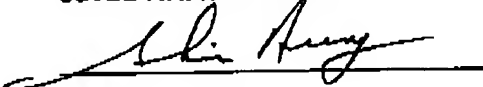
- ☐ Please charge Deposit Account No. 501593 in the amount required by 37 C.F.R. § 1.17 (p) for the above-indicated fee. A duplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 501593.

If the preceding amount is incorrect, any deficiency or overpayment should also be charged or credited to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

Javad KHAJEHPOUR



By: Shin Hung
Registration No. 55,497
BORDEN LADNER GERVAIS LLP
World Exchange Plaza
1100-100 Queen Street
Ottawa ON K1P 1J9
Telephone 613-237-5160
Facsimile 613-787-3558
E-mail ipott@blgcanada.com

SHH/JLD/jld
Encls.

☒ PTO-1449
☒ References (12)

United States Patent Application Serial No. 10/522,654
Page 4 of 4
PAT 3281W-2

Form PTO-1449 INFORMATION DISCLOSURE STATEMENT				Complete if Known	
				Application No.:	10/522,654
				Filing Date:	January 24, 2005
				First Named Inventor:	Javad KHAJEHPUR
				Group Art Unit:	2154
Examiner Name:					
Sheet	1	of	2	Attorney Docket No.:	PAT 3281W-2

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,128,508	10-03-2000	Francisco et al.	
		6,556,085	04-29-2003	Kwon et al.	
		6,184,751	02-06-2001	Siomkos et al.	
		6,424,222	07-23-2002	Jeong et al.	
		6,539,216	03-25-2003	Oh et al.	
		6,509,799	01-21-2003	Franca-Neto	
		6,438,358	08-20-2002	Higuchi	
		6,259,323	07-10-2001	Salminen	
		6,587,673	07-01-2003	Higuchi	
		6,181,206	01-30-2001	Palmisano et al.	
		5,995,814	11-30-1999	Yeh	
		6,134,427	10-17-2000	Hughes	
		5,774,017	06-30-1998	Adar	
		6,489,838	12-03-2002	Tsinker	
		5,625,318	04-29-1997	Sevenhans et al.	
		6,242,986	06-05-2001	Adar	
		6,501,331	12-31-2002	Adar	

U.S. PUBLISHED APPLICATION DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		2003/0030495	02-13-2003	Franca-Neto	
		2003/0246051	12-09-2004	Hsu et al.	
		2004/0058050	03-25-2004	Guo	
		2003/0054779	03-20-2003	Losser et al.	
		2002/0190796	12-19-2002	Park et al.	

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 INFORMATION DISCLOSURE STATEMENT				Complete If Known	
				Application No.:	10/522,654
				Filing Date:	January 24, 2006
				First Named Inventor:	Javad KHAJEHPUR
				Group Art Unit:	2154
				Examiner Name:	
Sheet	2	of	2	Attorney Docket No.:	PAT 3281W-2

OTHER DOCUMENTS

		Samavati et al., "A 12.4mW CMOS Front-End for a 5GHz Wireless-LAN Receiver", <i>Centre for Integrated Systems</i> , Stanford University, pp. 1-4.
		Zito, "High Image Rejection Fully Integrated RF Receiver Front-End for Wireless Applications", <i>Dept. Information Engineering, University of Pisa, Italy</i> , 2002, pp. 1-3.
		Piazza et al., "A 1.57-GHz RF Front-End for Triple Conversion GPS Receiver", <i>IEEE Journal of Solid-State Circuits</i> , Vol. 33, No. 2, February 1998, pp. 202-209.
		Li et al., "Design Techniques for Automatically Tuned Integrated Gigahertz-Range Active LC Filters", <i>IEEE Journal of Solid-State Circuits</i> , Vol. 37, No. 8, August 2002, pp. 967-977.
		Philips, "High IP3 MMIC LNA at 1.8-2.4 GHz", pp. 1-6.
		Furth, et al., "A 500-nW Floating-Gate Amplifier with Programmable Gain", pp1-4.
		Maxim, "Designing with the MAX2648 5GHz LNA for High-Frequency Stability", wysiwyg://20/http://www.maxim-ic.com/appnotes.cfm/appnote_number/1756/en , Sep 27, 2002, pp. 1-5.
		Rosu, "LNA Design", http://www.qsl.net/va3iul/ , PP. 1-7.
		Lucek, et al., "Designing an LNA for a CDMA Front End", www.rfdesign.com , February 1999, pp. 1-6.
		RF Micro Devices, "A Quick Guide to Tank Circuits", <i>RF Micro Devices, Inc.</i> , 1997-2002, pp. 15-17 to 15-20.
		SR560TechNote, "About Noise Figure Contours", http://www.srys.com/html/body_sr560technote.html , 2000, pp. 1-2.

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.	